

OCT 1980 3/

BARG NEWS



**Monthly Newsletter of the
Ballarat Amateur Radio Group**

BARRY MAGEE
62 WATTLE AVE.
WENDOUREE WEST, 3355, VIC.

30/10

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Page 1

Editorial - September 1980.

An excellent trip to Geelong was undertaken by several of the club members. (Some 16 or so). It was good to see their set up - in particular the use they had made of their own "personalized" club rooms.

It was (is) good to see the support that the mag. is Rx from members of the group. Contributions have been received from several people and I hope more of you will take advantage of the magazine.

There was little reaction in regard to support of the group. That has formed with a view to establishing a fm. radio service for Ballarat. As a member of the group I would be pleased to hear from you if you're interested.

Please give me something for next month's magazine. Buy, sell or swap something. Drop a line to me if you can't catch me on the phone - (210 Humphrey St. North - 314179.)

Clem Jarvis.

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+ audio filter

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Page 8 - " " " " " " & Buy & Sell.

NEXT MONTH

- ① ANTENNA FILTER & SPLITTER. For 2 METRES.
- ② JUNK BOX CONVERSION FOR 80 METRES (if I don't get anything better to print).



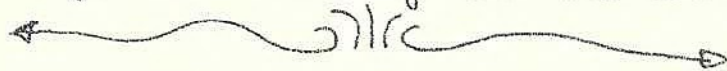
by Stan VK3SE. Page 2

Not much activity at present on 426.25. However another ham has taken residence in Ballarat (George VK3ZEA) who has an A.T.V. Transmitter in going order but it is not set up as yet. Murray VK3AA1 at Ross Creek expects to be involved soon. When these stations are on the air I should provide more A.T.V for you to look at.

Where is your home brew converter?

at I have A.T.V. picture available on sked anytime for anyone wishing to try out their converters. Lloyd (VK3ARM) and David (VK3YNB) have been able to receive good pictures across town with their homebrew converters into their standard T.V. (On channel 5 or 5A (or any other channel)).

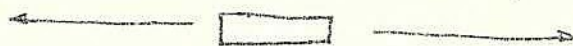
There are problems with my intercarrier sound but experiments to improve this are being made.



FOR SALE

TOWER TOP SELF ALIGNING BEARING MARINE QUALITY
ACCEPTS 1 5/8" MAST

\$15.00 → Dick VK3VU.



AUDIO FILTERS

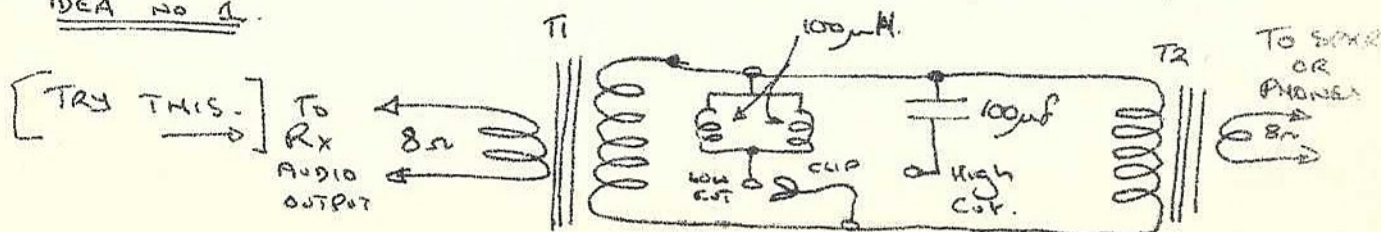
AUDIO FILTERS (1)

AUDIO FILTERS

Three approaches to simple audio filters have been suggested to me. They all appear easy - especially the first two add on ideas.

T1-T2 - VALVE TYPE AUDIO P.C.

IDEA No 1.



B.A.R.G. MEETING, 7th Sept. 1980

In the absence of the president Dick VU, Vice president Kevin (3WN, ex 3ZHH) opened the meeting at 9,35.

About 33 attended.

Apologies were tendered for Dick VU, Cliff Bilston, Loughlan EPK, and Bob Prestige(?).

The minutes of the last meeting were read and accepted
(Paul BWC, Brian ZBZ)

Several new visitors were welcomed, Dick Moore, John McFarland and another "John"

Kevin 3WN suggested a book on Ballarat as a suitable gift for the departing outward QSL mgr. E. Trebilcox and it was voted to purchase this book from the club funds (Leo ADT - Henry VMO). A suitable card was passed among members for signing.

Jim ANH reported on the recent seminar by the "little people" stating that after some equipment mishaps the remaining tapes etc were much appreciated by them.

Keith NWN reminded the group that some supplies of jointing compound and tape were still un-collected and were available to members who had ordered them.

Kevin WN read the correspondence: Letter from WIA western zone with cheque for \$200, asking for some verification of its use; Letter from SWARS Griffith inviting members to participate in their proposed annual zone meeting also a letter from Nazareth house regarding Ron Barassi's coming lecture on "motivation etc" and the usual newsletter from education center and the western zone newsletter.

(accepted, Clarrie VEZ-Jack AJR)

Treasurers report: No great movement, but after expenses the financial status of the group was now \$ 1159.65; suggestion was made that the original debentures by early members (\$275.00) could now, at their discretion, be redeemed to settle the financial status of the group once and for all.

(Paul BWC-Clarrie VEZ) (Debentures)

(Jack AJR-Geoff Smith) Treas. Rept.

QSL report: Maurie stated that the new outward QSL manager for VK3 was now Barbara Ray VE3BYK and that all info will be given in the forthcoming newsletter about changed venues.

EDUCATION: Bob BNC not present, but it was stated that the

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Novice course was on target (with some slight hitches) and was due to resume next Tuesday. Lecturers were to check for dates.

TECHNICAL REPORT: Phil AGM reported that a complaint had been lodged abt. repeater drift but that work was well in hand and some discussion ensued about purchase (or not) of suitable boards and/or parts for TX and RX for repeater. Brian ZBZ was to investigate local component prices and report.

NEWSLETTER: No news, both editors being absent. Appeals for suitable articles were (again) invited and it was suggested that, to stimulate wider interest in Ham Radio, a reply coupon etc was to be included into the next issue, which was then to be sent to known (and prospective) amateurs not being members of the group. This was also to include membership applic. ;

AWARDS: Maurie Batt reported all awards on schedule and offered complimentary Begonia Award for E. Trebilcox (carried, but don't know how or by whom)

An appeal was made for greater RD contest participation by BARG

PUBLICITY: Clarrie VEZ said that BARG was to be included in the next Courier Citizen's guide and Brian ZBZ read the details for the next western zone get-together at Pt. Campbell/Princetown and beat the drum for participants.

FURTHER BUSINESS: Mention was made of the new VK-QRP club (Henry VMO) and members can obtain info through him on this subject. Arrangements were proposed for the trip to visit the Geelong Club, but only about 10 members expressed interest in this venture, so it seems that the Bus trip is out.

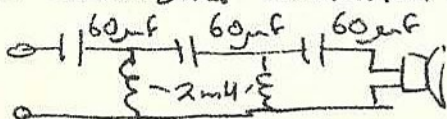
The meeting closed at 10.50

A talk was then held by Paul BWC on the subject of "Oscar"

#2.

Audio Filter - Try this - "Improved spkr. reproduction."

Apart from different "mountings" for the loudspeaker try a filter between the set and the loudspeaker to remove audio below 300Hz. eg. a 6" spkr into a 8"x6"x4½" box with sound absorbant material - the filter



GREAT STUFF - ON NOISE BANDS.

I will pass on further details (there are some) if your interested - thank you Stan.

Tonga is located about 750Km to the east of Fiji and about the same distance south of Samoa. It is a Monarchy ie. the ruler is a King who has absolute power. The Royal family can trace their ancestry back through a thousand years. The King has a parliament to assist him with administrative matters. The parliament is made up of peoples representatives and nobles representatives. These representatives can initiate legislation and so to can the King. This is the main difference between the Westminster system and the system adopted for Tonga in 1875. The Kingdom became fully independent from Britain in 1970 and later that year became a full voting member of the United Nations.

Geographically and racially the Tongans are closely related to the other Polynesian countries. ie. Tahiti, Samoa, Fiji, Hawaii and the Maori people of New Zealand. They in fact share a lot of customs and folk lore. The country is made up of a group of islands stretching from 15 deg S to 23 deg S along the 174 th meridian of longitude. The three main island groups are Vava'u in the north, Ha'pai and Tongatapu in the south. The capital city Nuku'alofa is located on Tongatapu and has a population of 20,000. Tongatapu has an area of 99 sq mls out of a total of 169 sq mls for the entire country. Tonga is the smallest Kingdom in the world and the last of the polynesian Kingdoms. The people aim to keep their country independent with strict laws governing ownership of business and a very comprehensive immigration policy.

The main exports are coconut related products such as copra, coconut oil and dessicated coconut. Handcrafted goods are now being recognised as amongst the best in the world and are finding markets in many countries. Riding saddles are now being exported to Australia and New Zealand. Imports include petroleum, electrical and other consumer goods.

The monetry unit is the Pa'anga which is divided into 100 Seniti. One Pa'anga (or T\$1.00) is approximately equal to A\$1.00. All weights and measures are in the metric system. Shopping for european style goods is fairly limited and expensive but locally produced goods are very cheap. When you shop at the local market 20c will buy you a kg of tomatoes, beans, bananas or carrots. A watermelon, cucumber or bag of onions will cost about the same. All beef and lamb is imported from New Zealand and so is relatively expensive. Petrol is 40c/litre but this is not a real disadvantage since you can't go far on an island 20 mls by 5 mls. Transport is usually by bus, horse and cart or bicycle. The speed limit is 25KM/H in town and 40KM/H elsewhere. The vehicles are a mixture of LHD and RHD and you drive on the side of the road that has the least number of pot holes. A most interesting experience.....

Whilst driving around you have to keep a sharp eye out for pigs, dogs, chickens and children.

It is quite a simple matter to obtain an amateur liscence if you are a visitor. All you do is produce your current VK liscence and you will be issued with a Tongan liscence. You are permitted to use all amateur frequencies allocated by the I.T.U. and there are no mode restrictions (as in the U.S. and other countries) The cost is T\$20.00 for the initial liscence and T\$10.00 per year after that. All liscences fall due on the 1st of July each year. The only active amateur in Tonga at the moment is John A35JL and as you can imagine he is very popular. The equipment I used was an FT7, Kenwood AT200 tuning unit, Palomar TX100 amplifier and dipole antenna's. The entire station was powered by a car battery and a trickle charger. At this stage I would like to thank Keith VK3NWN, Bob VK3NSR and Ken VK3AKK for their assistance with equipment etc. The maximum power you can be liscenced for is 100W to the antenna. I found that due to the location that this was more than enough. Most of the 1100 QSO's I had as A35RF were conducted on less than 20W.

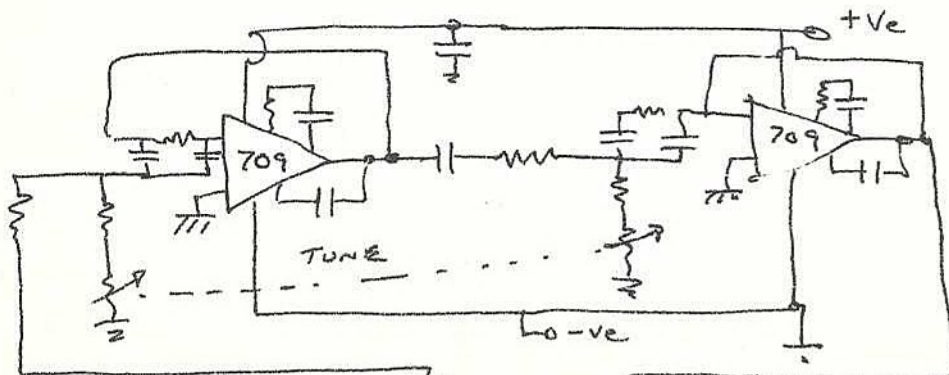
If anybody is interested in learning more about this facinating little country then I have available for laon several books including a copy of the Constitution which you are welcome to borrow. Just give me a call.

73's

Dick VK3VU/A35RF

AUDIO FILTER IDEA X3. A TUNABLE SYSTEM eg.

Speks - 750 to
1800 Hz
130 Hz B.W.



Will be
able to
give you
further
details
Thanks
again
skan.

TORP.

O/P phaser.

10, 15 and 20 metre band report for August/September 1980

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10 metres continues to improve as the summer approaches. From now on it would be a good idea to keep an ear on the higher bands. The last month has seen a quite a large amount of activity from DX-peditions to some of the rarer spots. The following stations were active on all bands and all were worked from this LTH.

FR0CIW/Juan de Nova
 FR0RX/Juan de Nova
 HK0AA Serrana Bank
 HK0AB Bajo Nuevo
 FR0FLO/Tromelin
 FR7BP/Tromelin
 A35EA Tonga
 A35TW Tonga
 ZK2EA Nuie
 ZK2TW Nuie
 5W1CW Western Samoa
 KH7 Kure Is.

WANTED - For school use
 5" oscilloscope (or 3" or anything)
 or C.R.O. chassis suitable
 for rebuild. Anything?
 considered - do your bit
 for education. Idea of
 asking price condition etc
 to Clem. YD1. 314179.

The following relatively rare ones were also heard on 10Mx

CO7AM Cuba
 CE3TC Chile
 6Y5HM Jamaica
 ZD8TC Ascension Is.

If you are looking for the rare DX then it may pay to listen around the following frequencies;

21.183 MHz The novice net heard daily at 1200 Z
 14.175 MHz The Caribbean Oceanic DX net at 0945 Z daily
 14.220 MHz The 220 net at 0600 Z daily.
 21.207 MHz The ANZA net at 0500 Z daily.

Also listen for DK20C daily on 28.460 MHz at around 0600 Z because he very often has schedules with African stations and is only too happy to help you work them time permitting.

Also a good place to listen are the "usual DX frequencies" i.e. 14.195 21.195/21.295, 28.595 etc.

WANTED - MORE PERSONAL ADS.

Write to editor - Clem Jarvis 210 Humphrey St Nth or
 leave at Regent Theatre Addressed to K. Hughes.

This means
 you!

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The following is some QSL information that you may have missed;

FRØCIW/J via DK9KD
 FRØRX/J " "
 HKØAA via HK3DDD
 HKØAB via "
 FRØFLO/T via ZL1BIL
 FR7BP/T via "
 FRØFLO (Reunion Is.) via P.O. Box 200, Tampon, Reunion Is, Indian Ocean
 A3SEA via ZL1AMO
 A3SRF via VK3VU or VK3ATL
 ZK2LA via ZL1AMO
 SW1CW " "

73's Dick VK3VU

===== FOR SALE =====

KEN KR400 ROTATOR THIS OLD WILL HANDLE TH3 ETC WITH
 EASE AN ABSOLUTELY AT \$100.00

ICOM IC 502 6Mx SSB TRANSCEIVER ABOUT 10 HOURS USE
 COVERS 52 - 53 MHz \$180.00

DICK FORRESTER VK3VU QTHR
 OR TEL 391005 B/H or 357663 A/H



432 MHz.

A list of stations heard & worked on 432MHz ssrb. supplied by
 DAVID VK3YNB who has for sale a selection of xkats (10mhz) to
 suit 2mhz IF. Rx's. They are for repeaters 2, 6, 7 and simplex channels
 40-49-50-51. ~ Cost \$5.00 each.

(VK3)
 The stations working 432 include ZTK, ZBS, BmH, BHC, YNV, YNW, A1H,
 YLR, Y11, SE, BWC, YNB, ZJC, A QO, ATN, AZE, AYQ, BKF, AZE, AZQ
 ATN, AZE, AJQ, BKF, AZE, NM, YBK, BHS, YHT, YTP, SR, YIQ
 ZYN, YFA, ZDK, ADR, YJZ, AMH, AOS, mc.

REMEMBER B.A.R.F. ADDS GET RESULTS ☺

Re NATIONAL VHF FIELD WEEKEND.

For many years there has been discussion and ideas raised on a nationally co-ordinated VHF Field Day.

Many VHF Field days have been conducted over the years, but they usually suffer by being only State wide affairs.

The Geelong Amateur Radio Club has decided to accept the challenge to co-ordinate a Nationally publicized VHF Field weekend.

When better to hold this type of contest but at a time of the year when interest is highest, it was therefore decided to conduct the National VHF Field weekend over the first weekend of the Ross Hull Contest period, thereby hopefully adding impetus to our National VHF Contest and giving the field weekend and extra boost.

The Ross Hull Contest rules and scoring have been adopted as the basis for the field weekend, to keep the two contests compatible for scoring and log keeping purposes.

The Geelong Amateur Radio Club is seeking your help in publicising the Field Weekend.

We would be most grateful if you would assist by giving the National VHF Field Weekend as much publicity as possible.

Yours faithfully.,

 VK3ASQ

M.R. TRICKETT Sec. Secretary, G.A.R.C.
Enclosed: copy of Rules.

MRC

THE NATIONAL VHF FIELD WEEKEND.

AIM: The Field weekend is being conducted by the Geelong Amateur Radio Club, in an effort to encourage VHF/UHF usage and participation in the Ross Hull Contest, as well as filling the need for a nationally co-ordinated VHF Field weekend.

CONTEST PERIOD:

Any continuous 24 Hour period within the first 48 Hours of the Ross Hull Contest.

RULES: All Ross Hull Contest Rules apply, plus/except the following:-

Only entries from portable stations will be accepted, however check logs from home stations will be welcome.

A station is deemed portable when it is operated at least 2 KM from the home QTH.

No equipment (Incl Antennas) may be set up more than 24 Hours prior to the start of the contest.

Power may be derived from any source available.

A scoring contact may be made with the same station on the same band repeatedly, provided at least 4 Hours elapse, between the contacts.

SCORING:

Scoring as per the Ross Hull Contest Rules.

ENTRIES:

Each entry must contain a front sheet giving details of station including location and total score claimed.
Plus a photo copy of the log.

All entries will be acknowledged and certificates will be awarded to the overall winner plus the highest score in each call area.

All entries to:- "Contest Manager"
Geelong Amateur Radio Club.,
P.O. Box 520.,
Geelong. 3220.

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1980

1980 WESTERN ZONE CONVENTION

COMPETITIONS LIST

SUNDAY 26th. OCTOBER

0900 ***** 40m/10m SCRAMBLE (10m section for novices only).
1000 ***** 2m FM SCRAMBLE CHN 40.
1025 ***** VHF (6 & 2m sub) SCRAMBLE.
1100 ***** 2m SHIFTER HUNT (144mhz).
1100 ***** GOLF PUTTING COMPETITION FOR THE LADIES.
1200 ***** BARBECUE LUNCH.
1300 ***** 80/10m HIDDEN TRANSMITTER HUNT.
1355 ***** 2m MOBILE FOX HUNT (CHN 40 FM).
1430 ***** 2m FM/SUB HIDDEN TRANSMITTER HUNT.
1600 ***** 2m FM BEAM HEADING COMPETITION.
1645 ***** 2m SHIFTER HUNT (144mhz).
1800 ***** TEA.

* COMPETITIONS WILL BE CONDUCTED AT THE CONVENTION SITE OR WITHIN A TWELVE
MILE RADIUS.

* COMPETITIONS OR THE DURATION OF THE COMPETITIONS MAY CHANGE OR BE DELETED
DUE TO TIME AVAILABLE.

* AN EVENT MAY BE CANCELLED IF INSUFFICIENT ENTRANTS TO RUN THE EVENT.

* AREA MAPS WILL BE PROVIDED FOR THE CONTESTANTS.

* PLEASE KEEP CHN 40 CLEAR FOR COMPETITION TRAFFIC.

* WINNER AND RUNNER UP PRIZES WILL BE PRESENTED PRIOR TO THE EVENING MEAL.

* * * * *

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AWARDS.

TE AROHA TOWNS AND DISTRICT AWARD. 1880-----1980

Contacts from 6th NOVEMBER to 6TH DECEMBER. 1980.

Number of contacts required;-

THREE (3) Branch 77 Members.

PLUS CLUB Station. ZLIBSM.

Contacts on all bands.

No QSL's required.

Cost of Award.....Nil.

Applications close with the Secretary not later than
1st February. 1981.

Applications for the award, with copy of log reference to;-

The Secretary.

P.O. Box. 24.

Te Aroha.

NEW ZEALAND.

As many stations as possible will be on the air during the
period of the award, especially on the Awards net.

For the benefit of VK stations, various members will be
operating around 3.650, Khz. Arrangements will be made ~~for~~
for stations to go down to the VK novice part of the band.

Stations to look for;- ZLIBSM (Club station) ZLIOR. ZLIACL.
ZLIAPS. ZLIAMI. ZLIBIL. ZLIBIP. ZLIBJK. ZLIBKP. ZLIBOS. ZLIBPK.

Do not forget to give details of the "Begonia Award", tell them
your call counts for the award and they only require 4 Ballarat
stations. 045 ???

Maurie Batt.
Awards Manager.

80/10

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For SALE

2 METRE MOBILE :

Solid state 25 Watt,
6 Channel capacity
Repeater CH. 2,3,8
Simplex 146.00
(ATV Natter Freq.)
\$125:00

SHIBADEN B/W T.V. CAMERA :

Solid State.
\$65:00

* QTHR : VK3AXH.

Tel. 413717

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